

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application.

1. - 2. (canceled)

3. (new) A composition for at least one of intensifying natural hair color and stimulating melanogenesis in human hair, wherein the composition comprises from 0.0001 % to 20 % by weight of at least one substance selected from pyrimidines and purines.

4. (new) The composition of claim 3, wherein the at least one substance is present in a concentration of from 0.001 % to 10 % by weight.

5. (new) The composition of claim 3, wherein the at least one substance is present in a concentration of from 0.01 % to 1 % by weight.

6. (new) The composition of claim 3, wherein the composition comprises at least one of purine, uracil, thymine, adenine, guanine and cytosine.

7. (new) The composition of claim 6, wherein the composition comprises purine.

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- 8. (new) The composition of claim 6, wherein the composition comprises uracil.
- 9. (new) The composition of claim 6, wherein the composition comprises thymine.
- 10. (new) The composition of claim 6, wherein the composition comprises adenine.
- 11. (new) The composition of claim 6, wherein the composition comprises guanine.
- 12. (new) The composition of claim 6, wherein the composition comprises cytosine.
- 13. (new) The composition of claim 5, wherein the composition comprises uracil.
- 14. (new) The composition of claim 13, wherein the composition comprises at least 0.5 % by weight of uracil.
- 15. (new) The composition of claim 3, wherein the composition further comprises from 0.05 % to 10 % by weight of an antioxidant.
- 16. (new) A spray formulation which comprises the composition of claim 3.
- 17. (new) A shower bath which comprises the composition of claim 3.

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18. (new) A shampoo which comprises the composition of claim 3.
19. (new) A conditioning shampoo which comprises the composition of claim 3.
20. (new) A hair treatment which comprises the composition of claim 3.
21. (new) A hair rinse which comprises the composition of claim 3.
22. (new) A composition for at least one of intensifying natural hair color and stimulating melanogenesis in human hair, wherein the composition comprises from 0.1 % to 1 % by weight of at least one of purine, uracil, thymine, adenine, guanine and cytosine.
23. (new) The composition of claim 22, wherein the composition comprises uracil.
24. (new) A method for at least one of intensifying natural hair color and stimulating melanogenesis in human hair, wherein the method comprises applying onto at least parts of the hair a composition which comprises at least one substance selected from pyrimidines and purines.
25. (new) The method of claim 24, wherein the at least one substance is present in a concentration of from 0.0001 % to 20 % by weight.

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26. (new) The method of claim 24, wherein the at least one substance is present in a concentration of from 0.001 % to 10 % by weight.

27. (new) The method of claim 24, wherein the at least one substance is present in a concentration of from 0.01 % to 1 % by weight.

28. (new) The method of claim 24, wherein the composition comprises at least one of purine, uracil, thymine, adenine, guanine and cytosine.

29. (new) The method of claim 25, wherein the composition comprises purine.

30. (new) The method of claim 25, wherein the composition comprises uracil.

31. (new) The method of claim 25, wherein the composition comprises thymine.

32. (new) The method of claim 25, wherein the composition comprises adenine.

33. (new) The method of claim 25, wherein the composition comprises guanine.

34. (new) The method of claim 25, wherein the composition comprises cytosine.

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35. (new) The method of claim 24, wherein the composition comprises at least 0.5 % by weight of uracil.

36. (new) The method of claim 24, wherein the composition comprises a spray formulation.

37. (new) The method of claim 24, wherein the composition comprises a shower bath.

38. (new) The method of claim 24, wherein the composition comprises a shampoo.

39. (new) The method of claim 24, wherein the composition comprises a hair treatment.

40. (new) The method of claim 24, wherein the composition comprises a hair rinse.